

(TANFOR DESERT)  
46°15' N  
106°45' W

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SPRING GULCH QUADRANGLE  
MONTANA  
7.5 MINUTE SERIES (TOPOGRAPHIC)

OPEN FILE REPORT 79-778  
PLATE 8 OF 32

OPEN-FILE REPORT  
This report has not been edited for conformity with  
U.S. Geological Survey editorial standards or  
stratigraphic nomenclature.

EXPLANATION

**200**  
OVERBURDEN ISOPACH—Showing thickness of overburden, in feet, from the surface to the top of the coal bed. Overburden isopachs within the stripping limit are omitted where they are too close to a mining-ratio contour for map readability. Isopach interval 100 feet (30.5 m).

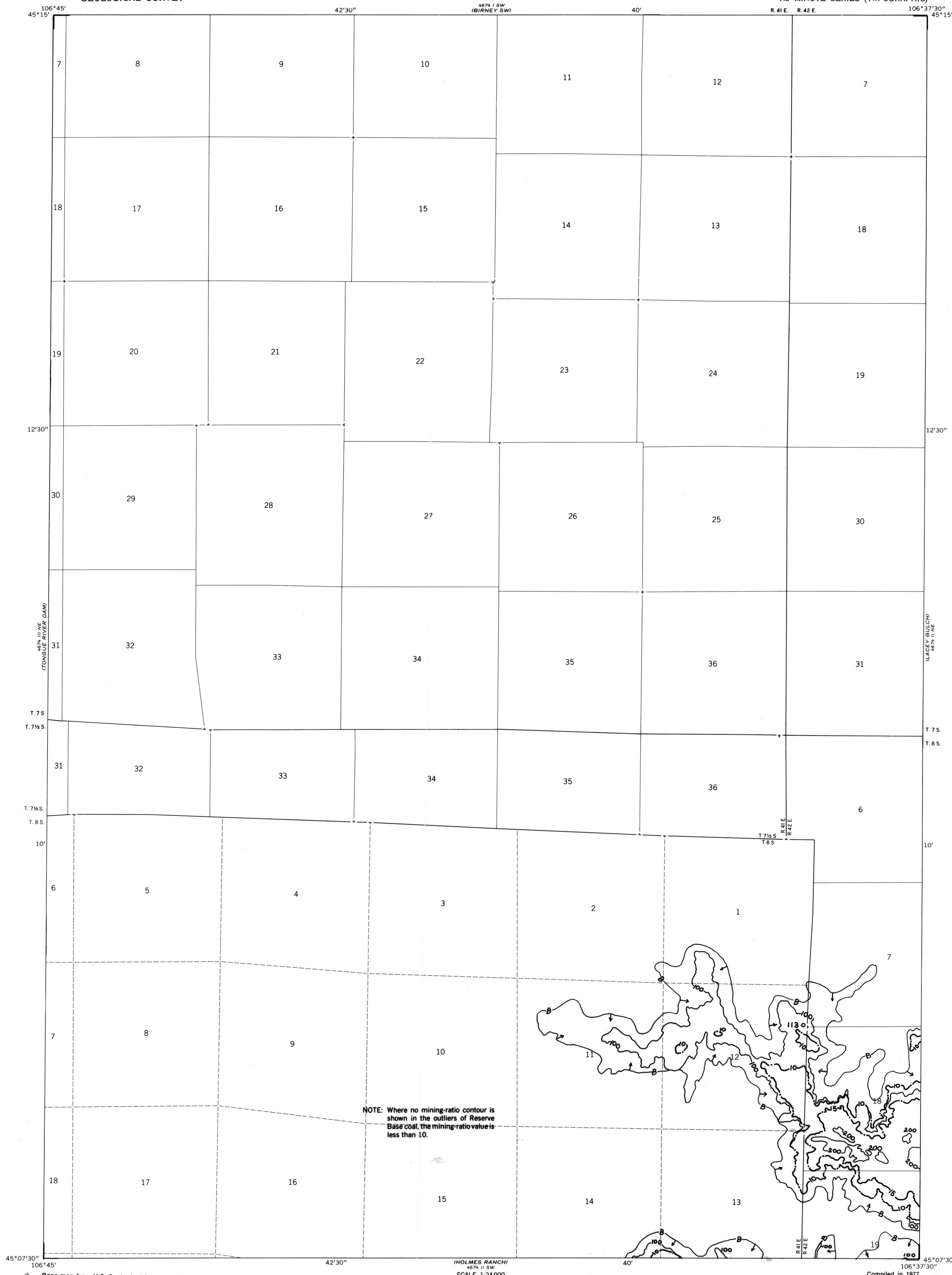
**B**  
BOUNDARY OF COAL 5 FEET OR MORE THICK—Drawn along the outcrop of coal bed and/or the inferred contact between burned and unburned coal and/or the 5-foot coal isopach. Arrows point toward area of coal 5 feet or more thick.

**113**  
DRILL HOLE—Showing thickness of overburden, in feet, from the surface to the top of the coal bed.

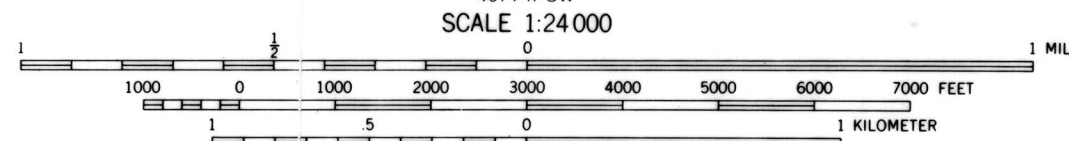
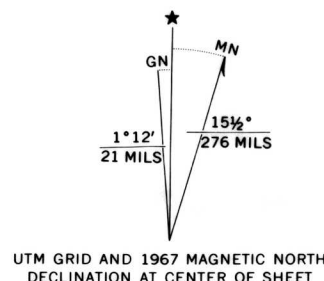
**10**  
MINING-RATIO CONTOUR—Number indicates cubic yards of overburden per ton of recoverable coal by surface-mining methods. Contours shown only in areas suitable for surface mining within the stripping limit.

To convert feet to meters, multiply feet by 0.3048.

To convert yds<sup>3</sup>/ton to m<sup>3</sup>/metric ton, multiply yds<sup>3</sup>/ton by 0.842.



Base map from U.S. Geological Survey, 1967



COAL RESOURCE OCCURRENCE MAP OF THE SPRING GULCH QUADRANGLE,  
ROSEBUD AND BIG HORN COUNTIES, MONTANA

BY  
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE  
1979

PLATE 8  
OVERBURDEN ISOPACH AND MINING-RATIO  
MAP OF THE SMITH COAL BED